

IN THE TITLE:

Please change the Title of the Invention from "Detection of Nucleic Acids by Multiple Sequential Invasive Cleavages " to --Invasion Assays--.

IN THE SPECIFICATION

On page 1, following the title, please insert the following new paragraph:

--This is a Continuation of co-pending U.S. Patent Appln. Ser. No. 09/350/597, which is a Continuation of U.S. Appln. Ser. No. 08/823,516, filed March 24, 1997, now U.S. Patent No. 5,994,069, which is a Continuation-In-Part of U.S. Appln. Ser. No. 08/756,038, filed December 2, 1996, now U.S. Patent No. 6,090,543, which is a Continuation-In-Part of U.S. Appln. Ser. No. 08/756,386, filed November 26, 1996, now U.S. Patent No. 5,985,557, which is a Continuation-In-Part of U.S. Appln. Ser. No. 08/682,853, filed July 12, 1996, now U.S. Patent No. 6,001,567, which is a Continuation-In-Part of U.S. Appln. Ser. No. 08/599,491, filed January 24, 1996, now U.S. Patent No. 5,846,717.

This invention was made with government support under Grant No. DE-FG02-94ER81891 awarded by the Department of Energy and Grant No. 1R43AI39843-01 awarded by the National Institutes of Health. The Government has certain rights in the invention.--

IN THE CLAIMS:

Please cancel Claims 1-34.

Please add the following Claims:

35. A method of detecting a target polynucleotide which comprises the steps of:
- a) contacting a target polynucleotide having a first portion and a second portion immediately contiguous to one another with:
- i) an invader oligonucleotide, at least a part of which is capable of specifically hybridizing to the first portion of the target polynucleotide;